

Patentkrav

1. A connecting piece (1) for at tubing (2) comprising a first unit (3) and a second unit (4), said first unit (3) comprising a first connecting element (5) for
5 a tubing element (6) and a second connecting element (7) for the second unit (4), said second connecting element comprising a tubular female part (8) for engagement with the second unit (4) and first sealing elements (9), and said second unit (4) comprising a tubular male part (10) with a collar (11) and second sealing elements (12) for cooperating with the first sealing elements
10 (9), said first unit (3) and second unit (4) comprising respective separator elements (13), **characterized in**

that the first sealing elements (9) and the second sealing elements (12) are configured for being mutually engageable and by moving the male part (10)
15 and the female part (8) axially towards each other for establishing a locking device (14), by which the first unit (3) and the second unit (4) are kept together;

that the separator elements (13) comprise faces that are arranged on the
20 female part (8) and the male part (10), said faces being in abutment against each other when the first unit (3) and the second unit (4) are kept together by means of the locking device (14), said faces being such arranged in the direction of the peripheries of the male part and the female part, respectively, that by a turning of the first unit (3) in relation to the second unit (4) an axially
25 extending force component is provided for causing the sealing elements to leave their mutual engagement; and

that the separator elements (13) and the locking device (14) are arranged such that they are at an axial distance from each other when the first unit (3)
30 and the second unit (4) are kept together by the locking device (14).

2. A connecting piece (1) according to claim 1, **characterized in** that the separator elements (13) comprise the collar (11), the delimiting edge (15) of said collar being a continuously extending delimiting edge, whereby a connecting line between any two points along the delimiting edge (15) in the peripheral direction of the male part (10) is less than 90° in relation to the axial extension of the male part (10) and the female part (8).

3. A connecting piece (1) according to claims 1-2, **characterized in** that the delimiting edge of the collar provides at least two tongues (16), said delimiting edge being congruent with the delimiting edge (17) of the female part.

4. A connecting piece (1) according to any one of the preceding claims, **characterized in** that the delimiting edge of the collar follows the shape of a wave and has a uniform distance between the wave crests (18).

5. A connecting piece (1) according to any one of the preceding claims, **characterized in** that the first sealing elements (9) comprise an annularly extending bead (19) arranged on the inner face of the female part; and that the second sealing elements (12) comprise an annular recess (20) arranged on the outer face of the male part, and which also provide the locking device (14).

6. A connecting piece (1) according to any one of the preceding claims, **characterised in** that the first sealing elements comprise an annular recess (21), the delimiting side faces (22) of which are essentially axially parallel with the centre axis of the female part; and that the second sealing elements (12) comprise an annular flange (23) for providing the delimiting edge (24) of the male part.

7. A connecting piece (1) according to claim 6, **characterized in** that the delimiting side faces (25) of the annular flange of the male part extend taperingly in relation to the central axis of the flange (23) and converge towards the delimiting edge (26) of the flange.

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8. A connecting piece (1) according to claims 6-7, **characterized in** that the medially arranged side face for the annular recess of the first sealing elements (9) comprise a beveling (29), said beveling facing laterally.

10 9. A connecting piece (1) according to claim 7 or 8, **characterized in** that one face (27) of the annular bead of the female part extends taperingly and converges in a direction towards the annular recess (28).

15 10. A connecting piece (1) according to any one of the preceding claims, **characterized in** that the first connecting unit comprises a valve (30).

11. A connecting piece (1) according to claim 10, **characterized in** that the valve (30) comprises a housing having a displacer means (31) which is displaceable within the housing and perpendicular to the central axis of the
20 first connecting unit, being intended for regulating the passage of liquid in the first connecting unit.

12. A connecting piece (1) according to claim 11, **characterized in** that the displacer means comprises stops (32) mounted at each end of the displacer
25 means.

13. Use of a connecting piece (1) according to claims 1-12 for establishing connection between a catheter (33) and a urine discharge bag (34).

- 1) Connecting piece
- 2) Tubing
- 3) First unit
- 4) Second unit
- 5 5) A first connecting element
- 6) A tubing element
- 7) A second connecting element
- 8) A tubular female part
- 9) First sealing elements
- 10 10) A tubular male part
- 11) Collar
- 12) Second sealing elements
- 13) Partition elements
- 14) Locking device
- 15 15) Delimiting edge of collar
- 16) Tongues
- 17) Delimiting edge of female part
- 18) Wave crests
- 19) Inner face of female part, arranged annular bead
- 20 20) Outer face of male part, annular recess
- 21) Annular recess
- 22) Delimiting side faces of annular recess
- 23) Annular flange
- 24) Delimiting edge of male part
- 25 25) Delimiting side faces of annular flange of male part
- 26) Delimiting edge of flange
- 27) Inclined face of annular bead of female part
- 28) Medially arranged side face for annular recess
- 29) Bevelling
- 30 30) Valve
- 31) Displaceable displacer means

- 32) Stop
- 34) Urine bag
- 35) Stub
- 36) Catheter
- 5 37) Collector bag